

Wireless Local Area Networks (WLANs) with a radio coverage area that as a rule is far more limited. The cells covered by the radio access points (AP) of the WLANs, with a radius of up to a few hundred meters, are small by comparison with usual mobile radio cells. Examples of different standards for WLANs are HiperLAN, DECT, IEEE 802.11, Bluetooth and WATM.

Document 01/18991 A1 describes a cellular CDMA radio communications system. The base stations measure the signal-to-noise ratio of signals, which are sent by mobile stations in the uplink direction. Depending on these measurement results, one or more uplink radio channels are determined for the communication of the relevant mobile station.

Document 02/27972 A2 describes a radio communications system in which the base stations feature a number of antenna elements. If a base station initiates communication with a subscriber station, it sends a paging message. The paging message can be transmitted on one channel which also contains data transmissions to other user stations. To this end signals which the base station receives from the other user stations are used to determine the smart antenna activation for the paging signal.

Whereas in many radio communications systems a series of network-side antennas, as a rule arranged centrally per cell, is used for transmission of messages to mobile stations, it is also possible to use a plurality of network-side antennas. Messages for mobile stations can then be emitted simultaneously via a plurality of network-side antennas. If a message is emitted to a mobile station via a plurality of network-side antennas, this sometimes causes disturbing interference for message transmission to other mobile stations located in the vicinity. It is thus advantageous to only emit

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messages for a mobile station via a restricted number of network-side antennas.

The object of the invention is to present an efficient method for communication in which a message is sent via a plurality of network-side antennas to a mobile station. Furthermore a network-side device and a computer program product for a network-side device for executing the method are to be proposed.

This object is achieved, as regards the method, by a method with the features of claim 1. The object is achieved in respect of the network-side device and the computer program product by a network-side device and a computer program product with the features of the subclaims.